



Matthew B. Kohn

Senior Systems Engineer

Contact

Tel: (719) 425-7882

e-mail: matthew@kohnresume.com

<https://www.linkedin.com/in/matthew-kohn>

Address

Fountain, Colorado 80817

Profile

Background: A Highly organized, detail oriented, and self-motivated team player. Over 19 years of technical satellite, engineering, and management experience. Effective problem solver and proven leader.

Security Clearance: **Top Secret/SCI** (Active; last investigation completed on 6/1/2024)

Key Skills

Proficient or familiar with a vast array of telecommunications equipment, concepts, and technologies, including:

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| <ul style="list-style-type: none">Wideband Global SATCOM (WGS) conceptsSystems EngineeringGlobal Broadcast Service (GBS) concepts & equipmentAir Force Satellite Control Network (AFSCN) | <ul style="list-style-type: none">UHF & SHF Satellite Communications Systems OperationsDatapath ET3000 (Satellite Transportable Terminal)AS-4429/TSCLHGXA antennas | <ul style="list-style-type: none">AN/GSC-52 Medium Earth Terminal Antenna and equipment802.11, GSM, TDMA, FDMA, CDMA, LTE, and microwave technologyCryptography Equipment | <ul style="list-style-type: none">AN/TSC-156 "Phoenix" quad band satellite systemTelecommunications Security & Network Intrusion PreventionMicrosoft Office / Visio / ProjectScrum/Agile & Jira |
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Professional Experience

Positioning Signal Integrity & Continuity Assurance (PSICA) Lead (Senior Systems Engineer [level 6], Global Positioning System)

Cutting Edge Communications

Oct, 2022 to present

- ✓ Develop, edit, and maintain various documents relating the civilian safety aspect of the Global Positioning System, including requirements and acceptance criteria.
- ✓ Works closely with the Federal Aviation Administration (FAA) to ensure future GPS satellites (block IIIF) and future control systems (OCX) meet government requirements.
- ✓ Partners with other agencies, contractors and vendors to ensure upcoming hardware and software requirements are met.
- ✓ Maintains the technical baseline, including identifying and documenting system specification and interface requirement traceability to sell-off verification and test events
- ✓ Supports customer in defining, capturing, and maintaining the technical, schedule, and cost risk data throughout the system lifecycle as well as developing risk mitigation courses of action and assessing impacts of risks and proposed changes.

Senior Systems Engineer

Jacobs Technology

Oct, 2020 to Oct, 2022

(Missile Defense Integrations and Operations Center)

- ✓ Provides Systems Engineering support for the \$4.6B Integrated Research & Development for Enterprise Solutions (IRES) contract with the Missile Defense Agency (MDA), using US government V-model, Agile with Jira tracking, and Scrum. Serving as Jira administrator.
- ✓ Develops Task Order (TO) Performance Work Statement (PWS) requirements and analysis, and requirements acceptance criteria.
- ✓ Develops monthly Task Order Status Reports (TOSR) and supports the Engineering Review Board (ERB) as Secretariat, reviewing project artifacts.

Senior Systems Engineer (Configuration Management)

Oct, 2019 to Oct, 2020

Infinity Systems Engineering

- ✓ Provided Configuration Management (CM) engineering support for the Global Broadcast Service (GBS) Program Office, under contract with the Space and Missile Systems Center (SMC) of the United States Air force (USAF) and United States Space Force (USSF), serving all branches of the Department of Defense (DoD).
- ✓ Provided Configuration Management engineering support for the Air Force Wideband Enterprise Terminal (AFWET) sustainment office (July 2020 to present) under contract with USAF/USSF
- ✓ Implemented interdisciplinary systems engineering management processes while working in an Agile environment.
- ✓ Managed Military Satellite Communications (MILSATCOM) Control Board (MCB) and Engineering Reviewed Boards (ERB) change control processes for GBS and AFWET.
- ✓ Performed engineering analysis and assessments of baseline Change Requests (CR), Deficiency Reports (DR), Problem Reports (PR), software releases, and hardware modifications.

Space Operations Squadron Manager & Air Force Satellite Control Network (AFSCN), Test Bed (ATB) and Transportable Assets Manager

April, 2018 to Oct, 2019

CACI International

- ✓ Responsible for 1/3 of the Operations and Maintenance (O&M) portion of the \$446 million CAMMO contract.
- ✓ Actively Supervised 35 subordinates conducting day to day operations and Maintenance on AFSCN Operational Control Node (OCN)/Command and Control (C2) equipment for the United States Air Force, Space and Missile Systems Center (SMC) and the 22d Space Operations Squadron
- ✓ Actively worked in an Agile and Scrum environment.
- ✓ Responsible for 8 transportable Trailers valued at \$20M. Transportable Assets were used for Satellite Factory Compatibility Tests (FCT) and served as mobile backups for AFSCN sites around the world.
- ✓ Served as Liaison between the 22nd Space Operations Squadron (US Air Force), CACI, and several subcontractors.
- ✓ Managed Quality Assurance/Quality Control (QA/QC) and risk for the ATB.

Satellite Broadcast Engineer

Oct, 2015 to Apr 2018

Arctic Slope regional corporation (ASRC)

(Global Broadcast Service Operations center)

- ✓ Actively Supervised 20 subordinates (in teams of 5) in day-to-day operations
- ✓ Responsible for GBS Satellite Bandwidth management, specifically over Wideband Global SATCOM (WGS) satellites and coordinating with the associated teleports/earth terminals
- ✓ Maintained GBS Defense Enterprise Computing Center (DECC) network infrastructure using Windows Server, MSSQL, and Linux applications
- ✓ Managed call center for GBS network troubleshooting
- ✓ Develops and writes Standard Operating procedures and technical Manuals for end users
- ✓ Managed GBS Satellite Access Requests (SAR) and Satellite Access Authorizations (SAA)
- ✓ Worked with various COCOM Theater information Managers (TIMS), DoD teleports, WSOCs, RSSCs & ARSTRAT to set up and maintain the Global Broadcast Service Satellite Network circuits and missions
- ✓ Developed, updated, and maintained technical drawings of network topologies

Satellite Systems Coordinator/Broadcast Analyst

Oct, 2014 to Oct, 2015

Lockheed Martin, IS&GS

(Global Broadcast Service Operations Center)

- ✓ Actively Supervised 5 subordinates
- ✓ Assisted Network Engineers in providing Tier I technical supports for inbound call center
- ✓ Monitored Global Broadcast Service overall system health
- ✓ Created and Maintained user accounts for more than 2,000 concurrent end users
- ✓ Developed, updated, and maintained technical drawings of network topologies

Satellite Communications Systems Team Chief Operations and Training Supervisor

Jul, 2006 to Oct, 2014

United States Army

- ✓ Planned, coordinated, and executed day to day operations and training events for 350 soldiers.
- ✓ Created and tracked risk and risk assessments of task and projects.
- ✓ Actively supervised a team of 15 employees establishing and repairing tactical and strategic satellite communications equipment
- ✓ Established and published Company Standard Operating Procedures
- ✓ Responsible for equipment valued at over \$12 million
- ✓ Appointed head of the personal communications team for the United States Forces Korea (USFK) General
- ✓ Utilized Test, Measurement & Diagnostic Equipment (TMDE)
- ✓ Oversaw management of a Phoenix Satellite System, and Technical Control Facility, utilizing Ka, Ku, C, & X bands; both TDMA & FDMA, with 99% up-time

Education

2020 to 2022	Bachelor of Science in Electronics Engineering DeVry University, Denver, CO / online
2020 to 2021	Associate of Applied Science in Automation and Electronic Systems DeVry University, Denver, CO / online
2006 to 2007	Certificate in Satellite Communication Systems – Graduated with honors United States Army Cyber Center of Excellence, Fort Gordon, Georgia
<i>several other certificates in individual courses/programs in the Satellite Communications field</i>	

Licensures, Affiliations, Organizations, etc.

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| <ul style="list-style-type: none">• Six Sigma White Belt• Notary Public Commission (Notary ID: 20204003216)• Amateur Radio Operator (FCC License: KD8LDP)• Member of the Association of Old Crows• Member of the Project Management Institute (PMI) | <ul style="list-style-type: none">• Member of the Society of Satellite Professionals International• Member of the Institute of Electronics and Electrical Engineers (IEEE)• Member of the National Defense Industrial Association (NDIA)• Member of the International Council on Systems Engineering (INCOSE) |
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